

Term Project Helpful Tips

COMP 5120/6120 Database Systems I

Auburn University

Project Overview

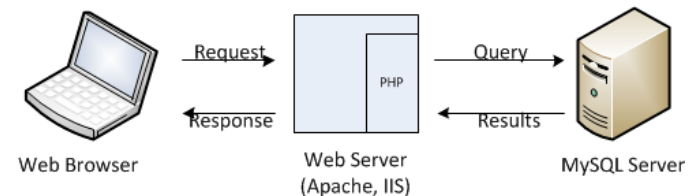
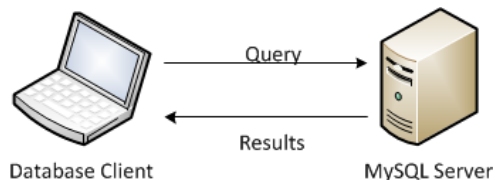
- In this project, you will
 - Create and populate a database for an online bookstore
 - Create query interface using HTML + PHP
- Things you need for this project
 - A web server that supports PHP
 - A MySQL database server
- To simplify your job, it's recommended that you use the web and MySQL server maintained by OIT. This presentation shows how to do this!



Intro to PHP and MySQL



- PHP (www.php.net)
 - Popular scripting language for creating non-static web applications
 - Script is executed on the web server and output presented to the browser
 - In this project, we use PHP to query database and return result back to the browser
- MySQL (www.mysql.com)
 - Popular open source relational database management system
 - Uses client server approach as shown below



Using Server From OIT

- PHP
 - All Auburn students have a personal space on the university web server (Mallard), which has PHP support; no request needed
 - http://www.auburn.edu/oit/web_development/
- MySQL
 - Send a request here
<https://cws.auburn.edu/oit/database/mysql/Create>
 - You'll receive
 - Database name
 - User name
 - Password
 - MySQL server host name (web7)

Upload Files to Web Server

- WinSCP*
 - Connect to server: **mallard.auburn.edu**
 - User your Auburn **user name** and **password**
 - Upload files under **public_html** directory
 - Change the permission of your file to **public readable**
 - Note: if working off-campus, need to log into AU VPN first via Cisco AnyConnect VPN Client*
- How to access your file
 - <http://www.auburn.edu/~username/filename.php>

*Software can be found on AU Install Page: <http://www.auburn.edu/download>

Connect to MySQL

- Use MySQL Control Center*
 - Connect using info obtained from OIT
- Use SSH
 - Secure CRT* popular SSH program
 - Connect to: `mallard.auburn.edu`
 - Log in with your Auburn user name and password
- Both methods need VPN if off-campus